MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1934

J. A. BROWN, DIRECTOR

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OCTOBER 1934

METEOROLOGICAL REGISTER

Date	Barometer reduced to o°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.0	60.2	60.5	60.6	29.2	21.3	26.2	28.6	24.2	26.3
2	1.1	0.8	2.1	1.3	29.8	22.0	27.2	28.8	24.9	27.0
3	3.1	2.1	2.4	2.5	29.4	21.9	27.1	28.9	24.1	26.7
4	3.0	2.1	2.4	2.5	29.3	21.7	26.0	28.0	24.3	26.2
5	2.7	1.5	2.0	2.1	28.9	21.7	26.7	27.8	24.2	26.2
6	62.2	60.7	61.2	61.4	28.9	21.8	25.5	27.7	23.8	25.7
7	1.1	0.9	1.5	1.2	28.9	23.1	26.7	27.7	24.1	26.2
8	2.2	1.7	1.9	1.9	28.8	22.9	26.9	28.2	24.8	26.6
9	1.3	0.6	1.1	1.0	29.6	22.4	26.0	29.2	24.9	26.7
10	0.9	59.6	0.4	0.3	29.1	22.8	24.3	27.7	24.8	25.6
11	60.6	59.8	60.0	60.1	30.1	20.7	27.4	28.3	23.8	26.5
12	0.3	9.8	0.8	0.3	29.6	23.1	27.6	27.5	24.6	26.6
13	2.3	61.7	1.4	1.8	27.9	22.4	25.5	25.2	22.8	24.5
14	2.3	1.9	2.6	2.3	28.2	21.3	24.8	26.8	23.1	24.9
15	3.1	1.5	1.7	2.1	27.8	19.7	24.6	27.6	25.0	25.7
16	63.4	61.0	63.9	62.8	28.2	23.7	26.7	27.8	22.8	25.8
17	4.3	2.7	2.8	3.3	26.7	20.6	25.0	26.0	23.8	24.9
18	3.2	2.0	2.2	2.5	27.2	21.1	25.1	26.5	22.4	24.7
19	1.8	1.0	0.1	1.0	27.7	20.6	24.1	26.1	23.1	24.4
20	1.6	1.1	0.8	1.2	27.5	21.3	24.8	26.4	23.2	24.8
21	60.4	60.7	61.5	60.9	25.6	18.5	20.1	24.7	21.5	22.1
22	2.0	1.5	1.4	1.6	25.9	19.8	24.0	24.7	21.6	23.4
23	2.2	1.7	1.5	1.8	26.0	18.9	23.9	24.8	22.5	23.2
24	0.4	0.6	1.5	0.8	27.0	20.9	26.1	25.7	23.1	25.0
25	1.3	0.8	1.3	1.1	28.2	22.3	25.5	26.1	22.7	24.8
26	62.1	61.4	61.3	61.6	26.3	20.2	24.4	25.3	22.2	24.0
27	1.1	0.3	1.3	0.9	25.9	19.9	23.3	25.3	21.2	23.1
28	1.6	1.6	1.5	1.6	25.7	19.6	23.3	24.4	21.7	23.1
29	2.2	1.5	1.5	1.7	25.3	19.6	23.8	24.0	22.1	23.3
30	2.6	2.2	3.2	2.7	25.6	20.1	24.0	25.1	22.8	24.0
31	4.1	3.2	3.1	3.5	24.7	20.6	22.2	24.1	21.3	22.5
	761.95	761.23	761.64	761.62	27.71	21.17	25.11	26.61	23.27	24.99

Barometer, range for month 759.6 –764.3 mm.

,, 50-yr. average for month 761.473 mm.

Thermometer, Range for month 18.5° –30.1° C.

,, 50-yr. average for month 24.48° C.

Rain, total for month 13.83 m.m.

,, , 50-yr average for month 52.58 mm.

,, , total, Sept. 1st to end of month 14.22 mm.

,, , 50-yr. average, Sept. 1st to end of month 59.95 mm

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Rain mm.
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	19.7	20.8	19.6	12.8	13.2	16.1	14.1	50	45	61	52	9.5	
2	21.1	22.2	20.3	14.3	15.2	14.5	14.6	53	52	62	58	9.0	
3	21.0	22.2	20.8	14.3	14.9	15.9	15.0	53	50	71	58	9.6	
4	21.5	23.2	20.8	15.6	17.3	15.6	16.2	62	61	70	64	9.3	
5	21.2	21.7	20.8	14.8	15.0	15.8	15.2	57	54	70	60	10.7	
6	21.2	21.6	20.4	15.6	14.8	15.3	15.2	64	53	69	62	8.9	
7	21.3	21.9	20.8	15.0	15.4	15.8	15.4	57	56	71	61	10.6	
8	22.5	23.6	22.7	16.8	17.9	18.8	17.8	63	63	81	69	9.8	
9	22.2	24.1	22.5	16.9	18.2	18.3	17.8	68	60	79	69	9.2	
10	23.0	23.3	21.8	18.5	17.8	17.2	17.8	74	64	74	71	10.0	
11	21.0	22.3	21.9	14.1	15.6	16.6	15.4	57	54	68	58	10.3	
12	21.9	24.4	23.2	15.4	20.1	20.0	18.5	57	74	87	73	10.2	
13	21.1	21.3	19.9	15.3	15.9	15.2	15.5	63	67	73	68	9.4	2.67
14	20.0	26.1	19.0	14.0	24.3	18.6	19.0	60	93	68	74	8.6	
15	19.6	22.2	18.9	13.5	15.8	12.5	13.9	59	59	53	57	10.0	
16	21.7	22.8	20.0	15.6	16.9	15.3	15.9	59	60	74	64	8.3	
17	19.6	20.7	20.1	13.3	14.4	14.7	14.1	56	58	66	60	10.1	
18	19.8	21.6	19.8	13.9	15.6	15.3	14.9	58	61	77	65	10.0	
19	20.9	21.9	20.3	16.0	16.4	15.6	16.0	71	65	75	70	5.2	
20	21.6	22.4	20.9	16.7	17.0	16.7	16.8	72	66	81	73	7.3	
21	19.1	21.2	20.3	15.6	16.0	16.8	16.1	89	69	88	82	6.4	6.60
22	19.8	19.4	18.7	14.3	13.2	14.0	13.8	64	58	74	65	8.4	
23	19.1	19.8	19.8	13.1	13.7	15.1	14.0	59	59	75	64	7.3	
24	22.3	22.3	18.8	16.9	17.4	13.5	15.9	67	71	62	67	5.6	0.50
25	18.7	20.2	19.4	11.9	13.6	14.4	13.3	49	54	70	58	9.3	0.25
26	20.4	21.0	19.8	15.0	15.4	15.3	15.2	56	64	77	69	9.7	
27	19.3	19.9	20.1	14.2	13.7	16.5	14.8	69	57	88	71	8.3	0.25
28	18.9	19.2	18.3	13.3	13.1	13.2	13.2	62	57	69	63	8.1	
29	20.1	20.2	17.9	14.8	14.9	12.5	14.1	68	67	63	66	9.8	
30	20.4	17.8	19.2	15.2	11.0	14.1	13.4	68	48	68	61	8.5	
31	18.5	18.8	17.1	13.3	12.8	11.8	12.6	66	57	63	62	9.3	3.56
	20.60	21.61	20.12	14.83	15.70	15.52	15.35	62.4	60.5	71.8	64.9	8.92	0.44

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	0	1cu	1cu	0.7	1e	1sw	0	159.3	slight	
2	0	1cu	1cu	0.7	0	1ne	0	109.4	„	
3	0	0	0	0.0	1ne	2ne	2ne	115.9	mod.	
4	0	1cu	1cu	0.7	1n	3n	0	90.1	„	
5	1cu	3cu	5cu	3.0	1nw	2nw	2nw	128.7	light	
6	5cu	5stcu	3stcu	4.3	0	1w	0	152.9	„	
7	2cu	1cu	2stcu	1.7	0	1nw	0	49.9	„	Traces of rain a.m.
8	1stcu	2stcu	4stcu	2.3	2n	1nw	1nw	98.2	slight	
9	0	1cu	8stcu	3.0	2nw	2nw	0	64.4	„	Thin mist
10	0	0	0	0.0	1n	1n	1nw	94.9	light	
11	0	1st	1stcu	0.7	1ne	4n	4n	225.3	stormy	
12	0	1stcu	1stcu	0.7	3n	1n	0	154.5	mod.	
13	2cu	3cu	8ni	4.3	1w	2sw	3sw	254.3	slight	Lightning in north
14	3cu	4cu	3cu	3.3	0	2w	1w	254.3	mod.	Traces of rain
15	1cu	1st	7alcu	3.0	2sw	2sw	1sw	508.6	slight	Intense lightn. nor.
16	8cu	1cu	0	3.0	1sw	1nw	0	130.3	mod.	
17	0	1cu	0	0.3	3n	4n	4n	288.1	„	
18	1cu	1st	0	0.7	3n	3n	0	49.9	„	
19	9stni	9alcu	0	6.0	1nw	2nw	0	19.2	slight	
20	4cu	9st	9cu	7.3	1w	0	0	241.4	light	
21	9ni	8cu	5ni	7.3	1w	0	0	162.5	„	th. a.m.; tr. of rain
22	2cu	9ci	10stci	7.0	0	1w	0	157.7	„	
23	9ci	10stcu	7ci	8.7	1n	2ne	1n	164.1	„	
24	8stcu	9stcu	9ni	8.7	3nw	4ne	4ne	218.0	mod.	
25	1st	7stcu	6stcu	4.7	4ne	5nw	2nw	196.3	stormy	Traces of Rain
26	1cu	2cu	3stcu	2.0	0	1nw	1nw	107.8	slight	ltng. in NW, p.m.
27	7stcu	6st	8stcu	7.0	1w	1nw	1w	83.7	light	
28	3ci	6stcu	9stcu	6.0	1w	1w	1w	156.1	„	
29	1cu	1st	3stcu	1.7	0	1nw	0	72.4	slight	
30	2st	7stcu	7cu	5.3	0	1w	1w	67.6	light	
31	1cu	1cu	8cu	3.3	0	2w	0	75.6	„	
				3.50	1.2	1.8	1.0	150.04		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	7	3	1	0	0	2	5	4	9	31
14:30	6	4	0	0	0	3	6	10	2	31
20:30	3	2	0	0	0	2	4	5	15	31
Totals	16	9	1	0	0	7	15	19	26	93

Number of days with rain 6, fog 0, thunderstorms 1, gale .0

50-yr. average number of days with rain during month 3.5